



# Gaia Carminati

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## ● WORK EXPERIENCE

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01/11/2019 – 31/10/2022 Udine, Italy

**PH.D. STUDENT** UNIVERSITY OF UDINE

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- Sampling of insect vector in field
- '*Candidatus* Phytoplasma solani' collection maintenance in tomato by homologous graft
- Sampling and preparing plant material for DNA and RNA extraction
- Scheduling laboratory work and implementing protocols for specific needs
- DNA and RNA extraction
- Diagnosis of '*Candidatus* Phytoplasma solani' and *Xylophilus ampelinus* presence
- Characterization of '*Candidatus* Phytoplasma solani' strain by Sanger sequencing and RFLP analysis
- Use of MinION to sequence long genomic DNA fragments
- Assembling and analyzing genome sequences
- Preparing materials for congresses and publications
- Presenting at congresses
- Help design and define experimental plans

## MORE

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My work focused on the molecular phytoplasma-host interactions between an economically relevant model plant (tomato cv Micro-Tom) and several strains of "stolbur" phytoplasma ('*Candidatus* Phytoplasma solani', 16SrXII-A).

Additionally, I collaborated on a project focused on molecular diversity within *Xylophilus ampelinus*'s taxon.

## ● EDUCATION AND TRAINING

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30/09/2016 – 13/02/2019

**MASTER'S DEGREE** University of Bologna

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**Field of study** Agricultural Sciences and Technologies | **Final grade** 110/110 cum laude |

**Thesis** Seed transmission evaluation of 'Ca. Liberibacter solanacearum' and 'Ca. Phytoplasma' in carrot

30/09/2013 – 09/10/2016

**BACHELOR'S DEGREE** University of Pisa

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**Field of study** Agricultural Sciences | **Final grade** 110/110 cum laude |

**Thesis** Differences among two feromonic dispensers for the control of L. botrana in Avignonesi's vineyards

25/10/2021 – 25/04/2022 Stuttgart, Germany

**GUEST RESEARCHER IN TRAINING** University of Hohenheim

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**Address** Stuttgart, Germany

## ● LANGUAGE SKILLS

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	B1	B1	B1	B1	A2
<b>PORTUGUESE</b>	B1	B1	B1	B1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## DIGITAL SKILLS

### Document management

Microsoft Word | LaTeX | Microsoft Excel

### Other relevant skills

NCBI | Galaxy Platform | samTools | Rstudio | Basic Bash/Python | Unipro UGENE

## ADDITIONAL INFORMATION

### PUBLICATIONS

[Phytoplasma presence in carrot seedlings](#) – 2020

[Simultaneous evaluation of 'Candidatus Phytoplasma' and 'Candidatus Liberibacter solanacearum' seed transmission in carrot](#)

– 2019

[Spatiotemporal and Quantitative Monitoring of the Fate of "Candidatus Phytoplasma Solani" in Tomato Plants Infected by Grafting](#)

– 2021

### CONFERENCES AND SEMINARS

17/02/2021 – 21/02/2021

**EpiDiverse Winter School 2021**

09/06/2021 – 24/06/2021

**Insights on the plant biosystem: enemies, friends or just biomes - Summer School 2021**

07/09/2019 – 11/09/2019 – Valencia

**4th IPWG meeting**

01/11/2021 – 04/11/2021

**23rd International Organization for Mycoplasmaology (IOM) Congress** Oral contribution: "On the unexplored genomic variability that lays within 'Candidatus Phytoplasma solani' species in relation with its host *Solanum lycopersicum*"

14/10/2021 – 15/10/2021

**VIII Incontro Nazionale sui Fitoplasmi e sulle Malattie da Fitoplasmi** Oral contribution: "Molecular characterization of different 'Ca. P. solani' strains transmitted to tomato cv. Micro-Tom by *Hyalosthes obsoletus*"

15/09/2021 – 17/09/2021

**XXVI SIPaV Congress** Poster contribution (young researcher in training): "Investigations on the molecular diversity of phyto bacteria detected by PCR assays intended specific for *Xylophilus ampelinus*"

21/09/2022 – 23/09/2022 – Palermo

**XXVII SIPaV Congress** Oral contribution: "Complete genomes of several 'Candidatus phytoplasma solani' strains causing different symptoms in experimental host *Solanum lycopersicum*"

## **HONOURS AND AWARDS**

09/2021

**Grant for 23rd IOM Congress – ESCMID**

25/06/2021

**Young researcher in training - XXVI Convegno SIPaV – SIPaV**